

ABSTRACT

A base station apparatus 100 conveys information indicating the ratio of the transmission power of a common known signal (common pilot) included in a common control channel to the transmission power of a signal included in a downlink shared channel to a mobile station apparatus 110-K. Based on this power ratio information, the mobile station apparatus 110-K arranges signal points accurately and performs QAM demodulation with high precision.

10019690.010402